SECRET
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NPIC/TSSG/RED-1923-69
12 November 1969

MEMORANDUM FOR THE RECORD

SUBJECT: R&D Impact of a New Acquisition System

1. Acquisition System Characteristics with Direct Exploitation R&D Impact

a. Resolution on film
b. Film Size
   (1) Width
   (2) Format length
c. Film Volume per unit time
   (1) Reproduction
   (2) Handling roll length
   (3) Storage
d. Stereo Overlap System
e. PG related data system

2. Acquisition System Characteristics with Indirect Exploitation R&D Impact (through implicit changes in exploitation operations).

a. Ground Resolution
b. Operational Objective - Search and/or Surveillance
c. Scheduling

3. Exploitation R&D Program - Direct Response

a. Operations Analysis
   (1) search procedure
   (2) chip system indication
b. 1540 Film Viewing System
   (1) light table
   (2) (Zoom 240) not financed by gov't
   (3) Mod II Rhomboid
c. High Precision Stereo Comparator
d. Automatic Target Indexing System (Cloud Screener)
e. Data Block Reader (PG)
f. Automated Information Handling
   (1) Collateral Data
   (2) Report Compilation
   (3) Report Editing & Publication
g. Automated Stereo Scanner

Declass Review by NIMA/DOD
GROUP 1
Excluded from automatic downgrading and declassification
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4. Exploitation R&D Program - Indirect Response

a. Chip System Analysis
b. P.I. Scan and Search Station (Coupled RPV and Microstereoscope)
c. Wide Field High Power Anamorphic Stereo Viewer
d. Digitized Measuring Light Table
e. Twin Stage On-Line P.I. Comparator
f. P.I. Duping & Enlarging Systems

25X1

25X1

Special Assistant for Plans & Applications, RED
TSSG

Distribution:
Original - Rt & File
15 - EXRAND
1 - TSSG/EXRAND
2 - TSSG/RED

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